

Innovative Multicultural Curricula for the Young EC and US Engineers and Scientists of the Year 2000 (IMCC)

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Partners: Brunel University, , United Kingdom
 Centro Politécnico Superior de la Universidad de Zaragoza, , Spain
 École Centrale de Lille, , France
 Oklahoma State University - Stillwater, Stillwater, OK
 Politecnico di Milano, Milano, Italy
 Technische Universität München, München, Germany
 Université Catholique de Louvain, Louvain-la-Neuve, Belgium
 Université des Sciences et Technologies de Lille, , France
 University of Oklahoma, Norman, OK
 University of Virginia, Charlottesville, VA
 Vrije Universiteit Brussel/Université Libre de Bruxelles, Bruxelles, Belgium

EU-U.S. Atlantis Program

2000 Abstract	Glenn Masada Project Director U.S. Lead University of Texas at Austin Department of Mechanical Engineering MC C2200 Austin, TX 78712 Tel: (512) 471-3061 Fax: (512) 471-76872 E-mail: masada@mail.utexas.edu
<p>Specific objectives of this European Community /United States consortium are to: 1) promote transatlantic academic student mobility stressing both coursework and research; 2) develop research and industrial internships for students that provide academic credit; 3) promote faculty exchanges to develop collaborative research efforts that lead to enhanced exchange of students; and 4) lay the foundations for possible double-degree programs.</p>	<p>Jean-Claude Gentina European Lead École Centrale de Lille Bureau de formation internationale BP 48 Boulevard Paul Langevin Villeneuve d'Ascq, France 59651 Tel: (33) 20.33.053.08 Fax: (33) 20.33.54.99 E-mail: bfi@ec-lille.fr</p>
<p>The primary innovations of this project are: 1) the integration of research collaboration to enhance the exchange of students for research, coursework, and industrial internships; 2) faculty involvement, in the form of direct research collaboration and research internships, to maintain the exchange programs well after the students have graduated; and 3) use of industrial internships to expose students to the business and work ethics of a different culture.</p>	<p>Geraldine Auel U.S. Partner Study Abroad Coordinator Oklahoma State University 060-G STUDENT UNION Stillwater, OK 74078-7013 Tel: 405-744-8569 Fax: 405-744-5033 E-mail: gerry.auel@okstate.edu</p>
<p>Since 1996, over one hundred students have participated including approximately 15 US students. Seven U.S. students have participated in industrial internships in France, Germany, and Great Britain, and two students have done research internships. One EC student has done an industrial internship in Texas, and over half of the EC students have engaged in research internships. Over 15 EC students from France and Italy have received M.S. degrees in the US consortia schools.</p>	<p>David Morris U.S. Partner University of Virginia Department of Civil Engineering School of Engineering and Applied Science Thornton Hall Charlottesville, VA 22903-2442 Tel: (804) 924-3310 Fax: (804) 924-3555 E-mail: dm@virginia.edu</p>
<p>Since 1996, over ten US faculty members have traveled to the EC partner institutions to establish research ties. A Texas faculty member is on the dissertation committee of a French chemistry student who just received her PhD degree. IMCC supported travel expenses. The faculty member is currently spending six months in France collaborating with a French colleague under a grant from the French government. Another Texas faculty member spent a month in France and has submitted joint proposals to US funding agencies. From Oklahoma State University, a chemistry faculty member spent two months in France and another engineering faculty spent a month in Italy. These faculty exchanges/collaborations have helped to promote student mobility as well.</p>	
<p>The IMCC consortium has established a program in Italy that combines language development and industrial internships. Our Italian partners established the program with leaders from the highly industrial Lecco area in northern Italy. Lecco representatives provide housing and industrial internships for students and the Politecnico di Milano uses the Lecco campus to provide language proficiency. This summer program attracted five US students this year. The consortium hopes to maintain this program and expand it to other partners.</p>	
<p>Besides the yearly FIPSE evaluation, IMCC has a student evaluation form that asks students to rate the quality of the of preparation and host institution help, cultural education, academic education, research education, industrial internship education, and other factors. Results have been highly favorable.</p>	
<p>The directors on both sides have made several presentations at FIPSE annual meetings. In addition the US director has made presentations about the IMCC program at the following meetings: EAIA International Conference, Barcelona Spain, Nov. 1997; 215th American Chemical Society National Meeting, Dallas Texas, May 1998; and the International Meeting on</p>	

Interuniversity Collaboration in Engineering and Technology, Zaragoza Spain, May 1999.

Organization Type: Public College or University
Institution Type: Doctoral

ONLINE REFERENCE:
<http://www.engr.utexas.edu/grec/imcc/imcc.html>
<http://www.engr.utexas.edu/grec/imcc/imcc.html>

SUBJECTS:

- ◦ ◦ Business and Economics
- ◦ ◦ Engineering
- ◦ ◦ International Education
- ◦ ◦ Multicultural Curriculum
- ◦ ◦ Natural Sciences

Subject Key:

- ◦ ◦ Highly relevant
- ◦ Relevant
- Slightly relevant